

# District Programs of Choice & Secondary AP courses & Concurrent Studies 2011 -2012

## SOUTH ZONE

### Dr. Charles Best

*(French Immersion)*

Chemistry AP Exam  
French AP Exam  
Physics AP Exam  
Psychology AP Exam  
Independent Directed Studies

Chemistry 12 and Physics 12 students have the opportunity to meet twice a week, before classes, with the AP Prep teacher to prepare for their AP exam. Français 12 students are automatically signed up for the French AP exam as their French language skills are at a very high level through the Immersion Program. Furthermore, students who have excelled in Psychology 12, have scored high on the AP exams and are encouraged to write it. In addition, students who are mastering a course through their own efforts or through outside tutors have the opportunity to sign up and write AP Exams. This has been done in Calculus and Mandarin in the past. Through teacher recommendation, students can sign up to for independent directed study in the elective areas; for instance, Graphics, Drawing & Painting, Photography, Information Technology and Carpentry and Joinery have been popular. Interested students can see their counselor for further information and the registration process.

### Centennial (*see AP page*) **Biology 12 AP**

Chemistry 12 AP  
Calculus AP  
World History AP  
Psychology AP

In addition, any student wishing to do a **self-directed study** and write the AP exam in May is encouraged to do so. Every year many of our students do so. AP Coordinator tracks down some resources for them and point them to a teacher who can help them out in that particular subject area. As an example, we had students write exams in the following subject areas last year on a self-directed basis:

**Calculus AB; Calculus BC; Physics B; Chinese; European History; World History; Japanese 12AP,**

We also allowed a few students from other (non-AP) schools to register and write their AP exams at Centennial.

Our school does **allow concurrent studies** but students would be registering for the winter/spring semester. Centennial has had students do concurrent studies at Douglas College and also at SFU. With counsellor approval, Centennial students can register for any Douglas College first year university-transfer course where space permits. SFU has a similar process.

**Pre-AP Science Program** - Grade 9 students to accelerate, thereby are provided with some additional preparation time for the Advanced Placement science courses in Grades 11 and 12. Grade 9 students in the pre-AP program work both independently and with a Science teacher on Science 9 on-line in Semester 1; students then take Science 10 Honours in Semester 2. Students who choose this program need a computer and internet access. In Grade 10, students would take one or more Grade 11 level science courses followed by Grade 12 level courses in Grade 11. In their Grade 12 year, students would be eligible to choose from a variety of AP Seminar science courses.

**Math 9/10 Accelerated Program** – Leads to **Calculus AP exam or concurrent studies**

### Pinetree (*see Honors & Advanced Placement*)

AP Approved Courses  
AP English Language 12  
AP English Literature 12  
AP European History  
AP Biology 12  
AP Chemistry 12  
AP Physics 12

IDS Courses  
Math  
Science  
Japanese

All courses are face to face and approved by the College Board (See AP College Board Ledger <https://apcourseaudit.epiconline.org/ledger/>). Some courses have up to 60 students enrolled (i.e. Bio 12AP and Chem 12AP). As for the IDS, it is truly independent study on a topic that interests them (Based upon the extended essay in IB). Students choose a topic that suits their interests and then work with faculty to develop those interests. Even though Pinetree does not offer a specific AP Calculus class our Honours program and specifically Calculus 12H prepares students to write either the AP Calculus AB or BC exam. New for 2011/2012 will be the addition of honours classes for Art 9, 11 and 12. These courses will focus on developing the student's portfolio and exploring post secondary educational opportunities in the visual arts in Canada. This is complimented by our Language department an IDS course that prepares students for the Japanese AP Exam.

### **Honors Courses**

**Art:** Art 9H, Art 11H and Art 12H

**English:** Humanities 9 Honours; English 10 Honours; **AP English Language 12 (Grade 11 Year); AP English Literature 12 (grade 12 year)**

**Mathematics:** Math 9H, Math 10 (Fall)/11 (Spring) and Math 12 (Fall) Honours; Calculus 12 Honours (Spring); Independent Directed Studies (Grade 12 Year)

**Social Studies:** Humanities 9 Honours; Socials 10 Honours, Socials 11 Honours, **AP European History**

**Science:** Science 9, 10 Honours; Bio 11H; **AP Biology 12;** Ch 11H; **AP Chemistry 12;** Ph 11H; **AP Physics12;** Independent Directed Studies 12

*In addition, students may write AP exams in Economics (Macro and Micro) and Psychology*

## **NORTH ZONE**

### **Gleneagle**

**AP Calculus** (within timetable semester 1)

**AP Economics** (within timetable semester 1)

**AP European History** (Wednesdays after school Sept. to May)

**AP Psychology** (Tuesdays and Thursdays after school Sept. to May)

A number of students write AP exams with us based upon their own studies or those with a private 'tutorial' service (eg. Biology and Chemistry, Chinese Language, etc).

### **Honors Courses**

**English** • English 9 and 10 Honours

**Mathematics** • Mathematics 9, 10 and 11 Honours • **AP Calculus AB**

**Social Studies** • Social Studies 9, 10 and 11 Honours • Economics 12 (**AP Prep**) • European History 12 (**AP Prep**)

**Science** • Science 9 and 10 Honours • Chemistry 12 (**AP Prep**)

**Social Sciences** • Psychology 12 (**AP Prep**)

**Info Tech & Media Arts** • Digital Media Development 9: Honours

**TALONS – The Academy of Learning for Outstanding, Notable Students** – grade 9/10 **gifted** cluster classroom

**COAST**

**JumpstART9**

### **Heritage Woods**

#### **Honours Courses:**

**English** • English 9, 10, 11 and 12 Honours

**Mathematics** • Mathematics 9, 10 and 11 Honours, and **Calculus 12 AP** – prerequisite is Principles of Math 12

**Social Studies 9 & 10 – Cultural Exchange** • network/laptop based courses. This version of Social Studies is for students who wish to broaden their perspectives and one day hope to travel. In addition to the Prescribed Learning Outcomes, students in this course will use various technologies to communicate and work with students in Europe.

**Hollywood 9** • This course teaches the basics of both acting and filmmaking!

- a tremendously rich school in terms of computer/digital and other forms of media opportunities for gifted kids

## **EAST ZONE**

**Riverside** (*[French Immersion](#)*)

**AP Chemistry** Seminar (semester 2)

**AP Physics** - Seminar (semester 2)

**AP Literature** – done concurrently with En 12 honors

**Honors Courses**

**Mathematics** • Mathematics 9, 10, 11 and 12 Honours ; Calculus

**Science** • Science 9, 10 Honours **AP Physics, AP Chemistry**

**English** • English 11 and 12 Honours, **AP Literature**

**Digital Immersion** 9, 10, 11 & 12

**International Leadership**

**Terry Fox**

**English AP Literature** Full year dual credit

**AP Psychology 12**

**Honors Courses**

**Mathematics** • Mathematics 9, 10, 11 Honours ; Calculus

**English** • English 9, 10, 11 and 12 Honours/**English 12 AP** – Co-requisite is Literature 1

**Social Studies** • Social Studies 11 Honours

**Science Career CO-OP**

## **Programs of Choice in our District**

### **Open to All Students**

The following programs are offered on a limited enrolment basis in one or more secondary schools in our district. Students who have an interest in enrolling in any of these "Programs of Choice" should contact their home school counsellor for further information.

### **Advanced Placement (AP)/Honours**

*Pinetree, Gleneagle, [Centennial](#)*

These Advance Placement schools offer coordinated program of enrichment for Grades 9-12. Students will be selected for honours classes in core areas, after an application process. In the senior years, students will be prepared to enter AP (Advanced Placement) classes. These courses allow students to work together in challenging environments that will gradually acclimatize them to the rigors of university classes. This program is designed for students who are interested in attending university. The course of study allows students to work together in a rigorous and exciting learning environment.

### **Automotive Service Technician ACE-IT Apprenticeship**

*Terry Fox, Centennial*

This post-secondary program is part of the Industry Training Authority ACE-IT initiative, and is open to Grade 12 students intending to pursue careers as Red Seal certified Automotive Technicians. Students completing this full semester, dual credit, four course program will receive 16 credits toward graduation and will write the Standardized Level 1 assessment exam. A 70% grade on this exam will qualify the student to progress to Level 2 training when requirements for Apprenticeship training hours are met. Work-based training will be an integral part of this program, and must be completed by September 30 of the graduation year. This program is designed for motivated students with a career focus

and will provide excellent Apprenticeship placement advantages for successful students. Enrollment in this program will be limited to 18 students per year, and admission will be by application. The application process will include an interview and a review of attendance records and will require a recommendation from the student's Automotive Technology 12 instructor. Applicants will need to have been programmed in such a way as to have completed foundation requirements by the end of the Fall semester of their Grade 12 year.

Foundation: Auto Tech 11 and 12 (C+), English 12 or Communications 12, Math 11 Essentials (B) or Math 11 Principles, "L" drivers' license, working knowledge of computers.

### **Biology 12 AP Seminar**

#### ***Centennial***

This Semester 2 course deals with topics in greater detail than in Biology 11 and 12. It has an extensive laboratory component which includes DNA isolation, fingerprinting and transformation experiments. Course content includes: Molecules and Cells – basic biological chemistry, cells, energy transformations (25%); Heredity and Evolution – molecular genetics, heredity, evolution (25%); Organisms and Populations - taxonomy, survey of protista, monera and fungi, plants, animals and ecology (50%). This course will aid the student in scholarship competitions and in obtaining advanced standing or credits at some universities. Foundation courses: Biology 11, Chemistry 11 and Biology 12. Biology 12 should be taken in Semester 1.

### **Carpentry ACE-IT Apprenticeship**

#### ***Terry Fox***

Students will take 4 courses in Semester 2 at Terry Fox then go to Kwantlen Polytechnic University from the middle of June. Foundation courses: C in Math 11 Essentials and physical ability for the job.

### **Chemistry 12 AP Seminar**

#### ***Riverside, Centennial***

This course covers material equivalent to first year university chemistry. It is an excellent preview of university chemistry and will give students an advantage in post-secondary science programs.

Foundation course: Chemistry 11 with an "A" or "B." Chemistry 12 should be taken in Semester 1.

### **COAST - Coquitlam Outdoor Academic School Term** - Grade 10 students

#### ***Gleneagle***

COAST is about personal development as much as it is about academic development. From the mountains to the sea, students are challenged to extend their learning outside the classroom. By combining academic work with field studies, leadership training, and outdoor education, we aim develop enriched connections and broad understandings to the world around us. The curriculum supports the development of independent, inquiring, life-long learners with a focus on community service. Students can look forward to a semester of building enhanced self-confidence, stronger physical fitness, and a sense of accomplishment within a supportive learning environment.

### **Computer Networking 11 and 12**

#### ***Riverside, Heritage Woods***

This program connects students in Information Technology Management with a challenging career in the computer networking field. Students are linked with both business and post secondary opportunities.

### **Concurrent Studies (Douglas College and SFU)**

Accepted students will be able to take several university level courses while still enrolled in high school. Courses begin in September and January. Students must see their school counsellor for eligibility and registration information.

### **Construction Electrician ACE-IT Apprenticeship**

#### ***Best (February to January)***

Students will take 2.5 courses in the second semester of Grade 11 followed by work experience in the summer. Students will take 2.5 courses in the fall of their Grade 12 year to complete the program.

Foundation courses: Math 11 and 12, Physics 11.

### **Cook Training 11A and 12A**

#### ***Centennial, Gleneagle, Riverside***

Topics of study include kitchen layout and maintenance, equipment operation, knife skills, terminology, plate presentation, Food Safe/HACCP, sauces, soups and stocks, and the Pastry Program. Cook Training 12A focuses on elaborate food items such as pates, galantines and secondary sauces as well as the use of more specialized equipment.

### **Cook Training ACE-IT Apprenticeship**

#### ***Riverside, Centennial***

Upon completion of this program, students will find excellent opportunities in the Hospitality/Tourism industry.

Foundation: Completion of Planning 10.

### **Coquitlam Teen Parenting Program**

#### ***CABE***

This program is designed to enable pregnant and parenting teens to continue with their education in a supportive and flexible environment. Courses are offered in a variety of ways including self-paced, structured classes and other options. Students are able to enrol in courses at CABE or at a district secondary school depending upon program availability. Information and courses on children and parenting skills are an important aspect of the program. The YMCA Little Scholars Childcare infant and toddler program is available on site and allows parents to be actively involved with their child while continuing their education. *Please call: (604) 939- 4511 for additional information.*

### **Dance (Performance Dance)**

#### ***Port Moody, Terry Fox, Heritage Woods***

Students need to be experienced dancers who display dance abilities via an audition. Focuses specifically on performance skills.

### **Environmental Science 9/10**

#### ***Gleneagle***

These programs offer a wide range of local ecology and environmental issues. This program includes a lot of lab work and field trips to community-based projects.

### **EPIC Program**

The purpose of the EPIC program is to facilitate families and schools working in partnerships to ensure that students who are elite performers in athletics, theatre, music, dance and modeling are able to build educational programs that maximize success both in meeting Graduation Program requirements and achieving their potential in their discipline. Student who compete or perform at a provincial, national or international level, students who are recognized as being in the top 10% in their discipline in the province, or students whose participation in a discipline is required to miss scheduled schooling on a regular basis may be interested in this program. For more information, please contact your child's counselor or visit the district site outlining [EPIC](#) information

### **[Experiential Studies 10](#)**

#### ***Centennial***

This program will combine Science 10, Earth Science 11, Planning 10, Social Studies 10, and Physical Education 10. All curriculum requirements for these programs will be met. The program aims to extend and enrich a student's understanding of these five courses. The subjects will be taught in a manner that integrates traditional class work, science labs, projects, and field studies. The field experiences will vary from one to three day trips to one larger two-week trip. Field experiences may center on subjects like biology, geography, geology, history, etc. while doing activities such as kayaking, mountain biking and hiking. Students must attend Centennial for the entire year as there are activities and fundraising done in Semester 1.

### **Fish & Wildlife 12 (Fisheries Ecology 12)**

#### ***Centennial***

Students in this program play an important role in protecting and enhancing the local environment. Major projects involve the operation of Mossom Creek Hatchery, water quality of local streams, marine studies of harbour seals and plankton,

streamside vegetation identification, small vessel operation and VHF radio certification, and environmental outreach via public fairs and visits to elementary classrooms.

Foundation course: Science 10.

### **French Immersion**

#### ***Riverside, Charles Best***

The French Immersion program has several goals that enable students to achieve, reach and become functionally bilingual.

#### **Digital Immersion (9, 10, 11 & 12)**

##### ***Riverside***

Is a program which provides Immersion students the opportunity to use their laptop computer to facilitate learning both at school and home. Taught by a core team of teachers the prescribed B.C. curriculum will be covered within a 21st century model of innovation and collaboration. Students in the program will stay together as a cohort for their “computer immersion” courses of English, Social Studies, Science and Digital Applications in grade 9; grade 10 includes Social Studies, English and science; grade 11 English and Social Studies; grade 12 English. Students interested in the program should have at least a “B” average (or current teacher recommendation) in Math, Language Arts and Social Studies, possess a strong work ethic and a high degree of responsibility. Entry into this program is by application based on teacher recommendation, parent permission and space availability. Students are expected to have their own laptop computer. Arrangements can be made for those who are unable to provide their own equipment to rent a school laptop for a nominal fee. Students will not be denied access to this program due to financial need.

### **Global Perspectives 12**

#### ***Pinetree***

An exciting program designed to provide students with the opportunity to travel to, and participate in, a hands-on-project in a developing country, as well as develop awareness of global issues and career options in various related fields. This year long program is integrated with Career Preparation Work Experience. Students will be encouraged to develop a vision for their futures, including personal goals, career directions and educational opportunities. The targeted audience is current Grade 10 & 11 students.

### **Hairdressing ACE-IT Apprenticeship**

#### ***Gleneagle***

This is a 10 month in-school training program for secondary school students to earn graduation credits and industry certification in hairdressing. Students earn 24 graduation credits through Secondary School Apprenticeship if hired as an apprentice. Students establish themselves in a career that allows them opportunities to explore other options related to the hairdressing industry.

Foundation courses: Completion of Grade 11.

### **Hockey Academy**

#### ***Centennial, Riverside***

This course provides the opportunity for male and female hockey players to supplement their minor hockey experience and improve their hockey skills. Course content includes the development of technical skills (power skating included), individual tactics, team tactics, team play/systems, strategy, off-ice training specific to hockey and health and wellness. Students will be required to have previous skating experience and preferably some hockey skills.

### **Emily Carr Headstart to Art**

#### ***Gleneagle***

Emily Carr offers high school students the opportunity to complete 3 university credits plus a portfolio review. Students must be recommended by their high school art teacher.

### **International Baccalaureate**

#### ***Port Moody***

The International Baccalaureate (IB) program has been adopted as a district program to ensure that all highly motivated and talented secondary students have equal access to the opportunities provided through this internationally renowned program. This is a district wide program that offers a coordinated curriculum from Grade 9 through Grade 12. IB includes



appropriately challenging experiences in an environment of positive stimulation that comes from working within class groupings of similarly motivated and talented students.

### **Joinery ACE-IT Apprenticeship**

#### **Best,**

Students take 3 courses in Grade 12 plus Work Experience. The program includes 15 weeks of course work beginning in mid-June at BCIT. Foundation courses: Carpentry and Joinery 11 (B), Math 11 and English 11. Drafting 11 recommended.

### **JumpstArt**

#### ***Gleneagle***

- an integrated, enriched Art/Humanities program offered for grade 9 and 10 students. The JumpstArt program is an excellent option for students who are passionate about art and who may plan to specialize in their senior years.

### **Science CO-OP 11 – Learning with Technology**

Chemistry 11 Co-Op

Principles of Math 11 Co-Op

Physics 11 Co-Op

Work Experience 12 Co-Op

This exciting career program will offer Grade 11 students the opportunity to enroll in Chemistry 11, Physics 11, Principles of Mathematics 11 and Work Experience 12 in the first semester of their grade 11 year (see individual course descriptions for more detail). Students will be grouped together as a “cohort” for these classes. The selected courses provide a foundation for further science studies and entrance into a university science program. Technology will be used to assist in this exploration. Access to various technologies is provided to ensure learning outcomes can be met. We encourage students who own a laptop computer and would like to start using it at school to consider this option. Students who do not own a laptop will be required to rent one from the school. Enrollment is limited based on available space and technology. Teaching times will be adjusted so that all students in the program can go on their Work Experience after Christmas break (100 hours) and **not miss classes**. Work Experience placements will be in a science related field. Note: Science 9/10 Accelerated students who take Chemistry 11 or Physics 11 in grade 10 are not eligible for this program. It is recommended that students have a C+ or better in Math 10 Principles & Science 10.

### **Learning with Technology 11 Project**

#### ***Centennial***

- an alternative study option for English 11, Social Studies 11 and Biology 11. Enrolled in English 11 – Learning with Technology; Social Studies 11 – Learning with Technology; Biology 11 – Learning with Technology; and ICT 11 – Modular Survey.

### **Musical Theatre 11/12**

#### ***Gleneagle, Pinetree, Port Moody, Riverside, Heritage Woods***

Students will learn the basics of surging, acting and movement techniques as they relate to music theatre. The students take a leadership role in directing and producing a musical theatre performance.

### **Physics 12 AP Seminar**

#### ***Dr. Charles Best, Pinetree, Riverside***

AP Physics is designed to foster physics knowledge, problem solving ability and physics connections to other disciplines and societal issues. AP topics include; kinematics and dynamics with calculus, simple harmonic motion, angular mechanics, direct current circuits, alternating current circuits and optics.

### **Psychology 12 AP Seminar**

#### ***Centennial, Dr. Charles Best, COL, Gleneagle, Terry Fox***

AP Psychology is designed to introduce students to the scientific study of human behaviour and mental processes. Students will be exposed to the psychological facts, principles, and phenomena associated with the topics of neuroscience, behaviour, sensation and perception, consciousness, learning, cognition, emotion, development, personality, disorders,

and treatment. Clearly this course is a university-level Psychology preparation. Successful completion of a College Board examination will result in a placement/credit of a typical introductory university/college course in psychology.

### **Recording Arts/Music Composition & Technology**

*Port Moody, Gleneagle, Centennial, Heritage Woods*

Some of the content covered will be analog multi-track recorders, digital multi-track recorders, computer 'hard disk' recording, mixing and editing techniques, knowledge of acoustics, microphones and outboard gear such as reverb, distortion, flangers and compressor/limiters.

### **Rock School 10/11/12**

*Port Moody, Terry Fox, Gleneagle*

- An innovative course providing instruction on how to play in a modern pop/rock/rap/etc. group. This is for guitar players, bass guitar players, keyboard players, horn players and vocalists who already know how to play or sing but need help in putting it all together. It covers how to market yourself in the real world of music, i.e. promotion, making contracts, understanding contracts, royalties, dealing with agents and how to get a "gig".

### **Science Career CO-OP**

*Terry Fox*

This program is for students interested in exploring science-related careers and doing some enrichment/application activities to extend science concepts learned in the regular curriculum. There will be opportunities for hands on experience through field trips and work experience. Students need a minimum letter grade of C+ in Science 10 in order to apply and to have demonstrated good work habits. In grade 11, students take their science and work experience courses together as a group in Semester II, so that when they do their 3-week work experience they do not miss regular class time. The grade 12 year is scheduled with the normal flexibility.

### **Steel Fabrication ACE-IT Apprenticeship**

Students who complete this program will be employment ready. There will be 2 intakes at BCIT starting in mid-August or February.

Foundation courses: Completion of Grade 11, Math 10 Principles or BCIT math pretest

### **String Orchestra 9-12**

*Port Moody, Heritage Woods*

- A credit course in orchestral instruction and performance for violin, viola, cello or double bass players. This course will explore the 'classic repertoire' and will have numerous performance opportunities. Offered in the evening so it will not take away valuable scheduling time during regular school hours, members of our community are invited to join as well.

### **Technology Design & Invention 11 (Industrial Design)**

*Pinetree, Riverside, Terry Fox, Heritage Woods*

As an exciting and comprehensive program, this course involves both computer activities and project development, and relies on previously acquired design and problem solving skills. Learn to design and create wonderful devices like video games, radio-controlled machines, multi-media, battle-bots, light organs, submersibles, skyscrapers, etc. Learn more about the wonderful world of technology. This course demands a high level of interest, self-motivation and teamwork

## **Apprenticeship Programs**

<b>PROGRAM</b>	<b>POST-SECONDARY PARTNER</b>	<b>PROGRAM DETAILS</b>	<b>CREDENTIALS</b>	<b>PROGRAM LENGTH &amp; LOCATION</b>	<b>MINIMUM REQUIREMENTS</b>
----------------	-------------------------------	------------------------	--------------------	--------------------------------------	-----------------------------



Automotive Service Technician ACE-IT	ITA	Students take 4 courses in Grade 12 plus Work Experience 12A and 12B or SSA.	Dual credits with eligibility to complete the Level 1 exam in June	Terry Fox - 2 blocks a day all year long or  Centennial - 4 blocks in second semester	Completion of AT 11 and AT 12 (C+), English 12 or Communications 12, Math 11 Essentials (B) or completion of Math 11 Principles.
Baking and Pastry ACE-IT	VCC	Entry level trades training in General Baking with specialization in advanced baking.	VCC, high school, and Level 1 credit plus 900 hours WBT.	At VCC from February to December	Completion of Grade 10, Foodsafe Level 1
Level 1 Carpentry	Kwantlen	Student will take 4 courses plus 4 weeks at Kwantlen from the middle of June onwards	Dual credits and Level 1 Industry credit	Terry Fox - 4 blocks in second semester	C in Math 11 Essentials and physical ability for the job.
Construction Electrician ACE-IT	ITA	Students will take 2.5 courses in the second semester of Grade 11 followed by work experience in the summer. Students will take 2.5 courses in the Fall of their Grade 12 year to complete the program.	Dual credits with eligibility to complete the Level 1 exam in January	February to January at <a href="#">Charles Best</a>	Math 11 and Physics 11. Math 12 to be taken prior to graduation
Cook/Chef Training ACE-IT	Propel	Upon completion of the program, students will find excellent opportunities in the Hospitality/Tourism industry.	Dual credits for high school and ITA Level 1	Program is a minimum of one semester and can be taken at Centennial, Gleneagle, or Riverside	Completion of Planning 10
Hairdressing ACE-IT	ITA	Students take 7 courses plus English 12 or Communications 12 as well WEX12A and WEX 12B or SSA.	Dual credits with 1500 hours required prior to writing the ITA Exam	10 months at Gleneagle	Completion of Grade 11
Joinery ACE-IT	BCIT	Students take 3 courses in Grade 12 plus Work Experience 12A and 12B or SSA. The program includes 15 weeks of course work, beginning mid- June at BCIT.	Dual credits with eligibility to complete Level 1 and 600 hours towards WBT.	Charles Best and Riverside	Wood 11 (B), Math 11 Essentials (minimum B) and completion of English 11 or Communications 11. Drafting 11 recommended
Plumbing ACE-IT	Piping Industry	Students will start the program in June and complete the program in July. Program training will be done on Annacis Island. Students will be employment ready when finished.	Students will be eligible to complete Level 1	UA Local 170 Training Facility on Annacis Island for 6 weeks.	Grade 12 student, must have C+ in Math 11 Essentials and English 12 (or a C+ in Communications 12)
Steel Fabrication ACE-IT	BCIT	There are 2 intakes for Grade 12 students with a minimum of 2 seats per intake. Employment ready when finished.	Student will do the ELTT program and receive credit for Level 1 plus 690 hours WBT hours	BCIT - 3 weeks, starting in mid-August or February	Completion of Grade 11, Principles of Math 10 or BCIT Pretest

### Transition Programs while attending School

PROGRAM	POST-SECONDARY PARTNER	PROGRAM DETAILS	CREDENTIALS	PROGRAM LENGTH &	MINIMUM REQUIREMENTS
---------	------------------------	-----------------	-------------	------------------	----------------------

				<b>LOCATION</b>	
Headstart to Art Emily Carr	Emily Carr University	offers one foundation course in each semester; Drawing in the first semester and Creative Processes in the second semester.	3 university credits for each course plus portfolio review	Taken at Gleneagle one night per week	Must be recommended by home school art teacher as well as meet admission requirements.
Computer Systems Networks Fundamentals	BCIT	The CSNF program is the first year of a 2 year program. Students learn computer networking, system maintenance, and computer hardware	Dual credits for high school and first year of BCIT's 2 year diploma program	Starts in February for Grade 12 students and ends in January at Riverside.	Principles of Math 11- 60%, English 12 - 60%
Concurrent Courses	Douglas College	Several courses offered in the Humanities and Stagecraft area.	Dual credits for high school and university/college	Courses begin in September and January	Must be recommended by school counsellor.

### **Transition Programs for Graduating Students**

<b>PROGRAM</b>	<b>POST-SECONDARY PARTNER</b>	<b>PROGRAM DETAILS</b>	<b>CREDENTIALS</b>	<b>PROGRAM LENGTH &amp; LOCATION</b>	<b>MINIMUM REQUIREMENTS</b>
Animal Health Technology	Douglas College	Upon completion of this program, students will find excellent opportunities to work at an animal hospital or gain work experience for a veterinarian program	Diploma program - 6 seats reserved	Douglas College David Lam campus	Bi 11 (C+) or Bi 12 (C), Chem 11 (C+) or Chem 12 (C), Grade 12 Science (C), Math 11 Principles (C+), English 12 (B), WEX 12A (B)
Bachelor of PE	Douglas College	Student can use this course as part of the degree program	Dual Credits - choice of Fitness 11 and Fitness 12 or PE 11 and PE 12 = SPSC 1103	Douglas College - both campuses	PE 12 (C+), Fitness 12 (C+)
CISY1110	Douglas College	With completion of BCA 11 students can write an assessment test in June to obtain course exemption	Course exemption	NA	Must score at least 70% on assessment test.
Hospitality and Restaurant Management (HORM)	Douglas College	This program provides students with employment in the tourism industry including hotel and restaurant management (BC's second largest industry).	Preferential admission for Tourism 11, Tourism 12; SSA students, ACE-IT - Level 1 Cook Training credit for HORM 1135. BCA 11 credit for HORM 1120 with exemption exam.	David Lam Campus 2 year diploma program with option to transfer into a degree program at some universities.	English 12 (C) and completion of Principles of Math 11.
Health Sciences	Douglas College	Registered or Psychiatric nursing, Dental Assisting, Dispensing Optician, and Health Care Support Worker	Reserved seating in each program	Both campuses	Must meet entry requirements – check the Douglas College calendar

## **COQUITLAM OPEN- LEARNING**

Coquitlam Open Learning offers three types of learning environments, allowing you to choose the course format that works best for you:

**Online Blended** – These courses will have specific start dates (either first semester, second semester or full year) and students will need attend some regularly scheduled classes, with most of the course being completed online. Students will be required to travel to specific schools for face-to-face sessions which will be held up to once a week, outside of the regular school day. The **face-to-face** classes will be used for seminars, group discussions, labs, and extra support.

**Continual Entry Online** – These courses allow students to enter at any point between September and March (no new registrations after spring break) and are flexible-paced. As these courses are designed to support students in day-schools, they end in June and must be completed by that time. Students registering for one of these courses must be prepared to do the majority of communication with their teacher using online tools, such as email and chat.

**Learning Centers** – These courses are offered at our two drop-in learning center, CLOC near Coquitlam Center. These courses allow students to enter at any point during the year and are **self-paced**. Depending on the course and student preference, these courses could be either online or paper-based.

**Coquitlam Continuing Education** is an adult education centre serving students who are **17 years** of age or older.

## Course List

Course	Online	Online-Blended	Learning Centre	Course Outline
Accounting 11			CLOC	
Accounting 12			CLOC	
Animation 12		Heritage Woods		Animation 12 3D Online Blended
BC First Nations 12		Pinetree		
Biology 11			CLOC	Biology 11 - Self Paced CLOC
Biology 12			CLOC	Biology 12 - Self Paced CLOC; Biology 12 Online - Self Paced CLOC
Business Computer Applications 11			CLOC	
Calculus 12			CLOC	
Career and Personal Planning 12 A			CLOC	CAPPA 12 - Self Paced CLOC

Chemistry 11	▼		CLOC	
Chemistry 12	▼	Pinetree	CLOC	
Communications 11	▼		CLOC	
Communications 12	▼		CLOC	
Comparative Civilizations 12	▼		CLOC	Comparative Civilization 12 - Self Paced CLOC
Computer Networking (Cisco CCNA)	▼	Riverside		CISCO Pre-Certification Online Blended
Data Management 12	▼		CLOC	
Drafting 11/12	▼	Riverside		AutoCAD Drafting 11-12 Online Blended
Earth Science 11	▼		CLOC	Earth Science 11 - Self Paced CLOC
English 10	▼	Anywhere		
English 11	▼	Anywhere	CLOC	
English 12	▼	Anywhere	CLOC	
Family Studies 12	▼		CLOC	
French 12		Language Lab		French 12 Flexible-Paced
Japanese 12		Language Lab		Intro Japanese, Japanese 11 and 12
Law 12			CLOC	

Literature 12	Anywhere		
Mandarin 12	Language Lab		Mandarin 12 Online Flexible Paced
Marketing 12		CLOC	Marketing 12 - Self Paced CLOC
Math 10 Apprenticeshop & Workplace		CLOC	
Math 11 Essentials		CLOC	Essentials of Math 11 - Self Paced CLOC
Math 10 Foundations & Pre-Calculus	Anywhere	CLOC	Math 10 Online Foundations/Pre- Calculus
Math 11 Principles	Anywhere	CLOC	Math 11 Online - Self Paced CLOC
Math 12 Principles		CLOC	Math 12 Online - Self Paced CLOC
Math 12 Principles Upgrade	Centennial		
Physical Education 10	Anywhere		PE 10 Online - Flexible Paced
Physical Education 11	Anywhere		
Physics 11		CLOC	
Physics 12		CLOC	
Planning 10	Anywhere	CLOC (Adults)	
Planning 10 Cohort Groups	Gleneagle/ Port Moody/		

	Terry Fox		
Psychology 12 (optional AP exam)		Riverside	AP Psychology 12 Online Blended
Science 10	Anywhere	CLOC	Science 10 Online - Flexible Paced
Science and Tech 11		CLOC	
Social Studies 10	Anywhere		
Social Studies 11	Anywhere	CLOC	
Secondary School Apprenticeship	Anywhere		Secondary School Apprenticeship 11-12
Work Experience 12	Anywhere (Under 19)	CLOC (Adults)	
Writing 12		Gleneagle CLOC	Writing 12 Online Blended
History 12		CLOC	History 12 Course Outline
Japanese 11 Intro	Language Lab		Intro Japanese, Japanese 11 and 12
Japanese 11	Language Lab		Intro Japanese, Japanese 11 and 12
Mandarin 11	Language Lab		Mandarin 11 Online Flexible Paced
Mandarin 11 Intro	Language Lab		Intro Mandarin 11 Flexible Paced
Spanish 11 Intro	Language Lab		Intro Spanish, Spanish 11 and 12 - Flexible Paced



Spanish 11	Language Lab	Intro Spanish, Spanish 11 and 12 - Flexible Paced
Spanish 12	Language Lab	Intro Spanish, Spanish 11 and 12 - Flexible Paced
French 11	Language Lab	French 11 Flexible-Paced
Geography 12	CLOC	Geography 12 Course Outline

### Career and Trade Programs at Coquitlam Open Learning

Coquitlam Open Learning is now providing a number of career preparation and trade training experiences. Through our partnerships with the BC Industry Training Authority, Post-Secondary Institutions and local community businesses, we are able to provide students with unique and highly valuable work experiences and credit opportunities that help students fast-track their chosen career path.

**Secondary School Apprenticeship** allows students who are employed in an apprenticable trade to gain up to 16 credits towards high school graduation while earning apprenticeship hours towards official trade certification. This amazing program opportunity is the best way for students who have career goals to reach them quickly while still completing high school.

**Work Experience** is a way for students to get credit for entering the workplace. Teachers can help place you for volunteer experience or, if you have a job or plan on getting one, your teacher will help you turn that work into an applied learning experience that gets you credit towards graduation.

**Full-Time Experience Work Programs** are designed for students who already have a clear career focus but cannot take a job or get apprenticable hours towards certification because those job opportunities only exist during the day and conflict with school hours. Coquitlam Open Learning can provide all the academic courses needed for graduation while using SSA credit for the elective portion of the student's program, allowing students to work during the day and learn on their own time so that both learning and workplace needs are met and the student can get their career started.

### COL Online Immersion Program

Coquitlam Open Learning is pleased to offer a comprehensive full-time studies program for students in grades 10-12 who wish to take the majority or all of their studies online. Our unique program provides tremendous student flexibility while providing students with access to school district resources - all tuition free.

The Online Immersion Program can involve entirely online studies or be combined with part-time course loads at your neighborhood secondary school, allowing to you gain access to electives such as shop classes, chef training, media development, arts and more. As School District 43's virtual school, we have the ability to shape a creative and flexible program that meets your unique learning needs.

The COL Online Immersion Program is ideal for:

- Students seeking an alternative approach to learning which allows for more learner flexibility

- Home Learners looking for increased teacher support and Dogwood Graduation
- Elite athletes and performers whose schedules make it difficult to attend school full-time
- Students seeking trades apprenticeship opportunities which require work during the day
- Students who leave the community for periods of time

Key features of the program include:

- Bi-weekly school community activities which support PE and Leadership programs
- Bi-weekly scheduled tutorial sessions with teachers
- Customized learning program focused on individual needs
- Support learning to become an effective online learner
- Activities to help families learn to support online learners
- A dedicated program coordinator to act as liaison and academic advisor for your program